

CLAIMS

1. Windshield wiper device (10), for a motor vehicle, having at least an electric motor drive (24), which can be driven with at least one first speed (v1) and a second speed (v2) characterized in that a temperature detection means (40) for detecting the operating temperature of the drive (24) and at least one switching means (50) are provided, which, when operating the drive (24) at the second speed (v2), switches the drive (24) from the second speed (v2) to the first speed (v1) when a predetermined operating temperature (T1) is exceeded.
2. Windshield wiper device (10) according to Claim 1, characterized in that the speeds (v1, v2) differ from a standstill.
3. Windshield wiper device (10) according to Claim 1, characterized in that the second speed (v2) is higher than the first speed (v1).
4. Windshield wiper device (10) according to Claim 1, characterized in that the drive (24) has at least three connections (42, 44, 46), a first connection (42) for the first speed (v1), a second connection (44) for the second speed (v2) as well as a connection to ground (46).
5. Windshield wiper device (10) according to Claim 4, characterized in that the switching means (50) is able to interrupt the second connection (44).
6. Windshield wiper device (10) according to Claim 4, characterized in that a power diode is switched between the first connection (42) and the second connection (44).
7. Windshield wiper device (10) according to Claim 1, characterized in that an additional switching means (54) is provided, which switches off the drive (24) when an additional predetermined operating temperature (T2) is exceeded.
8. Windshield wiper device (10) according to Claim 7, characterized in that the additional switching means (54) is connected to the connection to ground (46).

9. Windshield wiper device (10) according to Claim 4, characterized in that filter elements are switched between the switching means (50) and the first and/or second connection (42, 44).
10. Windshield wiper device (10) according to Claim 1, characterized in that temperature recording means (40) and switching means (50) are embodied as one piece as a thermal switch (48).
11. Windshield wiper device (10) according to Claim 2, characterized in that the second speed (v2) is higher than the first speed (v1).
12. Windshield wiper device (10) according to Claim 11, characterized in that the drive (24) has at least three connections (42, 44, 46), a first connection (42) for the first speed (v1), a second connection (44) for the second speed (v2) as well as a connection to ground (46).
13. Windshield wiper device (10) according to Claim 12, characterized in that the switching means (50) is able to interrupt the second connection (44).
14. Windshield wiper device (10) according to Claim 13, characterized in that a power diode is switched between the first connection (42) and the second connection (44).
15. Windshield wiper device (10) according to Claim 14, characterized in that an additional switching means (54) is provided, which switches off the drive (24) when an additional predetermined operating temperature (T2) is exceeded.
16. Windshield wiper device (10) according to Claim 15, characterized in that the additional switching means (54) is connected to the connection to ground (46).
17. Windshield wiper device (10) according to Claim 16, characterized in that filter elements are switched between the switching means (50) and the first and/or second connection (42, 44).

18. Windshield wiper device (10) according to Claim 17, characterized in that temperature recording means (40) and switching means (50) are embodied as one piece as a thermal switch (48).
19. Windshield wiper device (10) according to Claim 5, characterized in that a power diode is switched between the first connection (42) and the second connection (44).